

Title (en)

CAPTIVE SCREW

Title (de)

UNVERLIERBARE SCHRAUBE

Title (fr)

VIS IMPERDABLE

Publication

EP 1075603 A4 20010530 (EN)

Application

EP 99911394 A 19990316

Priority

- US 9905564 W 19990316
- US 5957798 A 19980414
- US 22412998 A 19981217

Abstract (en)

[origin: WO9953206A2] A captive screw attachable to an upper panel, for attaching the upper panel to a lower surface, the lower surface having a threaded hole, the captive screw having a screw, a ferrule that attaches to the upper panel, a thin-walled, cylindrical hollow knob and protrusions integral to the outer perimeter of the head portion of the screw to rigidly secure the perimeter of the head of the screw to the inner surface of the knob, the protrusions providing a press-fit of the screw to the inner surface of the knob where the screw is pressed into the knob from the underside of the knob.

IPC 1-7

F16B 21/18; **F16B 41/00**; **F16B 5/02**

IPC 8 full level

F16B 35/00 (2006.01); **F16B 41/00** (2006.01)

CPC (source: EP US)

F16B 5/0208 (2013.01 - EP); **F16B 41/002** (2013.01 - EP US); **Y10S 411/97** (2013.01 - EP US); **Y10S 411/999** (2013.01 - EP US)

Citation (search report)

- [AD] US 5382124 A 19950117 - FRATTAROLA ALBERT J [US]
- [AD] US 3245450 A 19660412 - SAUTER BOBBIE S
- [A] US 2967557 A 19610110 - TAIT WILLIAM O, et al
- [A] US 5338139 A 19940816 - SWANSTROM KENNETH A [US]
- [A] US 5642972 A 19970701 - ELLIS THOMAS J [US], et al
- See references of WO 9953206A2

Cited by

EP1379789A4

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9953206 A2 19991021; **WO 9953206 A3 19991209**; AU 3004399 A 19991101; BR 9909608 A 20020115; CA 2328222 A1 19991021; CN 1153011 C 20040609; CN 1304480 A 20010718; DE 69921466 D1 20041202; DE 69921466 T2 20051013; EP 1075603 A2 20010214; EP 1075603 A4 20010530; EP 1075603 B1 20041027; JP 2002511553 A 20020416; US 2001041110 A1 20011115; US 6468012 B2 20021022

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US 9905564 W 19990316; AU 3004399 A 19990316; BR 9909608 A 19990316; CA 2328222 A 19990316; CN 99806913 A 19990316; DE 69921466 T 19990316; EP 99911394 A 19990316; JP 2000543733 A 19990316; US 91194001 A 20010724